

IN THE ABSTRACT:

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ABSTRACT OF THE DISCLOSURE

An X-ray fluorescence analysis apparatus has a high-voltage cable for connecting an X-ray tube to a high-voltage power supply. The high-voltage cable has a conductive core and a shielding wire. A connecting structure covers the exposed end portion of the conductive core and electrically connects the conductive core to the shielding wire of the high-voltage cable when the high-voltage cable does not connect the X-ray tube to the high-voltage power supply.